TECHNOLOGY SYMBOL LEGEND ABREV. DESCRIPTION ABOVE FINISHED FLOOR BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL COMMUNITY ANTENNA TELEVISION (CABLE TELEVISION) CCTV CLOSED CIRCUIT TELEVISION ELECTRICAL CONTRACTOR ELECTRONICS INDUSTRIES ASSOCIATION EXISTING TO REMAIN GENERAL CONTRACTOR HORIZONTAL CROSS-CONNECT MAIN CROSS-CONNECT MULTIMODE NEC NATIONAL ELECTRICAL CODE NEW DEVICE IN EXISTING BACKBOX NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT OHIO BUILDING CODE OBC RCDD REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER RELOCATE DEVICE REX REMOVE EXISTING DEVICE REMOVE AND RELOCATE SINGLE MODE TECHNOLOGY CONTRACTOR TELECOMMUNICATIONS GROUNDING BUSBAR TMGB TELECOMMUNICATIONS MAIN GROUNDING BUSBAR UNINTERRUPTIBLE POWER SUPPLY UPS UNLESS OTHERWISE NOTED WIRE GUARD WEATHERPROOF

|   |            | TECHNOLOGY SYMBOL LEGEND  |
|---|------------|---|
|   | SYMBOL     | DESCRIPTION   |
|   | — с —      | CONDUIT PATHWAY   |
|   | c]         | CONDUIT STUB  |
|   |            | CONDUIT INSTALLED BELOW GRADE OR BELOW FINISHED FLOOR, CONTINUOUS HDPE PIPE, WITH NO JOINTS, SEAMS OR SPLICES.  |
|   | 0          | JUNCTION BOX - MOUNTING HEIGHT AND SIZE AS REQUIRED BY CODE OR AS NOTED ON DRAWINGS   |
|   | •          | DATA/VOICE FACEPLATE AT 18" AFF, UON. FOR ADDITIONAL INFORMATION, REFER TO FACEPLATE DETAILS ELSEWHERE.  'EP' = EMERGENCY PHONE AT 48" AFF.  'W' = WALLPHONE AT 48" AFF.  |
|   | $\nabla$   | DATA/VOICE ROUGH-IN OUTLET BOX AT 18" AFF, UON  |
|   | ₩          | DATA/VOICE DEVICE AT 8" ABOVE COUNTER, UON. FOR ADDITIONAL INFORMATION REFER TO FACEPLATE LEGEND.   |
|   | $\Diamond$ | DATA/VOICE ROUGH-IN OUTLET BOX AT 8" ABOVE COUNTER, UON   |
|   | •          | DATA/VOICE FIRE RATED THROUGH FLOOR FITTING - RECESSED IN FLOOR. FOR ADDITIONAL INFORMATION, REFER TO FACEPLATE DETAILS ELSEWHERE.  |
|   | abla       | DATA/VOICE ROUGH-IN FIRE RATED THROUGH FLOOR FITTING - RECESSED IN FLOOR.  'SFF' = SYSTEMS FURNITURE FEED   |
|   | FB         | TECHNOLOGY FLOOR BOX, REFER TO FLOOR BOX TYPE DETAILS ELSEWHERE.  |
|   | •          | DATA/VOICE FACEPLATE, CEILING MOUNTED. FOR ADDITIONAL INFORMATION, REFER TO FACEPLATE DETAILS ELSEWHERE.  |
|   |            | DATA/VOICE ROUGH-IN OUTLET BOX, CEILING MOUNTED   |
|   | ¥          | WIRELESS ACCESS DROP LOCATION, WALL MOUNTED   |
|   | <b>(</b>   | WIRELESS ACCESS DROP LOCATION, CEILING MOUNTED  |
|   | A          | AUDIO RECEPTACLE AT 18" AFF, UON '1' = SINGLE PLASTER RING '2' = TWO GANG PLASTER RING  |
|   | (A)        | AUDIO RECEPTACLE, CEILING MOUNTED   |
| ^ |            | CABINET SPEAKER, WALL MOUNTED   |
| 1 |            | SPEAKER, CEILING MOUNTED, UON NONE = PAGING 'L' = AUDIO ZONE DESIGNATION  |
|   |            | HORN, WALL MOUNTED AT 12'-0" AFF, UON.  |
|   | ♡          | VIDEO RECEPTACLE<br>NONE = CATV AT 96" AFF, UON   |
|   |            | VIDEO RECEPTACLE, CEILING MOUNTED<br>NONE = CATV, UON   |
|   | P1,        | CEILING MOUNTED A/V MULTIMEDIA PROJECTOR AND FACEPLATE  |
|   |            | FLAT SCREEN VIDEO DISPLAY   |
|   | ①          | INTERCOM STATION AT 48", UON. 'MS' = MASTER STATION 'V' = VIDEO   |
|   | ਚ          | GROUNDING BUSBAR  |
|   | Oв         | VOICE/DATA IN FEED LOCATION FOR SYSTEMS FURNITURE. CONTRACTOR TO VERIFY REQUIREMENTS PRIOR TO INSTALL. EXTEND 1-1/4" UP WITHIN CHASE OR WALL TO 6" ABOVE ACCESSIBLE CEILING, OR TO CABLE TRAY IF ROUTING IS ABOVE A NON-ACCESSIBLE CEILING. |
|   |            | 19" TECHNOLOGY EQUIPMENT OPEN RACK, STANDARD, UON.  |
|   |            | 19" TECHNOLOGY EQUIPMENT OPEN RACK, DUAL UPRIGHT, UON.  |
|   |            | WIRE BASKET CABLE TRAY, 24 INCH WIDE X 4 INCH DEEP, UON. FOR ADDITIONAL MOUNTING INFORMATION, REFER TO THE CABLE TRAY HANGING DETAIL ELSEWHERE  |
|   |            | CABLE RUNWAY, SIZED AS INDICATED. FOR ADDITIONAL MOUNTING INFORMATION REFER TO THE CABLE TRAY HANGING DETAIL ELSEWHERE  |

| SYMBOL                    | DESCRIPTION  |
|---------------------------|--|
|                           | CLOSED CIRCUIT TELEVISION CAMERA - WALL MOUNTED  'PTZ' = PAN/TILT/ZOOM   |
|                           | CLOSED CIRCUIT TELEVISION CAMERA - CEILING MOUNTED  'PTZ' = PAN/TILT/ZOOM  |
|                           | ACCESS CONTROL SYSTEM CARD READER ROUGH-IN AT 48" AFF, UON   |
|                           | ACCESS CONTROL SYSTEM PANIC HARDWARE ROUGH-IN  |
|                           | ACCESS CONTROL SYSTEM MAG LOCK ROUGH-IN - MOUNTED AS INDICATED ON DRAWINGS   |
|                           | ACCESS CONTROL SYSTEM DOOR CONTACTS ROUGH-IN - MOUNTED AS INDICA ON DRAWINGS   |
| CR CR                     | ACCESS CONTROL SYSTEM CARD READER AT 48" AFF, UON  |
| DC                        | ACCESS CONTROL SYSTEM DOOR CONTACTS MOUNTED AS INDICATED ON DRAWINGS   |
| •                         | PUSHBUTTON  'L' = SECURITY SYSTEM REMOTE LOCK DOWN - MOUNTED ABOVE COUNTER  'P' = SECURITY SYSTEM PANIC ALARM - MOUNTED UNDER DESK  'REL' = SECURITY SYSTEM REMOTE RELEASE - MOUNTED ABOVE COUNTER  'RTE' = SECURITY SYSTEM REQUEST TO EXIT  |
|                           | ELECTRIC DOOR HARDWARE, BY OTHERS. CONNECTIONS AND INTEGRATION BY THE SECURITY CONTRACTOR.   |
| R                         | RELAY  |
| <b>\S</b>                 | SECURITY DEVICE CONTAINING DOOR STATUS INDICATOR LIGHTS, AND DOOR RELEASE PUSHBUTTONS ROUGH-IN ONLY  'A' = ANNUNCIATOR  'EAI' = EQUIPMENT ALARM INTERFACE  'KP' = KEY PAD  'KS' = KEY SWITCH  'M' = MOTION SENSOR  'T' = TIME AND ATTENDANCE |
| (\$)                      | SECURITY DEVICE, CEILING MOUNTED 'M' = MOTION SENSOR   |
|                           | MOTION SENSOR MOUNTED ABOVE DOOR   |
|                           | LOW VOLTAGE BELL. MOUNT ABOVE LAY IN CEILING.  |
| $\overline{\diamondsuit}$ | PROTECTION FOR CLASS II CABLING. FOR ADDITIONAL INFORMATION AND REQUIREMENTS, REFER TO TECHNOLOGY SPECIFICATIONS   |
| Φ                         | ANALOG SYSTEM CLOCK, WALL MOUNTED 'ET' = ELAPSED TIME  |
| ΙΦΙ                       | ANALOG SYSTEM CLOCK, DOUBLE SIDED, WALL MOUNTED 'ET' = ELAPSED TIME  |
| 1:23                      | DIGITAL SYSTEM CLOCK, WALL MOUNTED 'ET' = ELAPSED TIME   |
| 1:23                      | DIGITAL SYSTEM CLOCK, DOUBLE SIDED, WALL MOUNTED 'ET' = ELAPSED TIME   |
| <b>O</b> -                | MATV/CATV HEADEND  |
| >-                        | RF IN LINE AMPLIFIER   |
|                           | RF VIDEO TWO PORT SPLITTER   |
| -&-                       | RF DIRECTIONAL COUPLER   |
| <del>-</del>              | RF 2 WAY DIRECTIONAL COUPLER   |
|                           | RF 4 WAY DIRECTIONAL COUPLER   |
|                           | RF 8 WAY DIRECTIONAL COUPLER   |
| $\rightarrow$             | RF EQUALIZER   |
| ~                         | RF TERMINATOR  |

**GENERAL NOTES** 

1) ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, OR SHAFTS SHALL BE SEALED IN ACCORDANCE WITH TECHNOLOGY FIRESTOPPING SPECIFICATION SECTION.

2) CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL CEILING MOUNTED DEVICES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS, ELEVATIONS, SECTIONS AND DETAILS. CONTRACTOR SHALL ALSO COORDINATE LOCATIONS OF WORK AREA OUTLETS AND OTHER WALL MOUNTED DEVICES WITH THE ARCHITECTURAL WALL ELEVATIONS AND FINISHES.

3) THE ROUTING OF ALL SURFACE MOUNTED/EXPOSED CONDUIT OR RACEWAY IN FINISHED AREAS (OR WHERE NOTED ON THE DRAWINGS) SHALL BE COORDINATED WITH, AND SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.

4) CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR AND ELECTRICAL EQUIPMENT WITH THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL MAKE APPROPRIATE ADJUSTMENTS TO CONDUIT AND RACEWAY LOCATIONS AS REQUIRED. FOR ADDITIONAL REQUIREMENTS, REFER TO TECHNOLOGY PATHWAY HARDWARE SPECIFICATION SECTION.

5) ALL CABLE TRAYS SHALL BE INSTALLED SO AS TO BE U.L. LISTED AS BEING ELECTRICALLY CONTINUOUS FOR GROUNDING PURPOSES, AND SHALL BE BONDED TO AN ACCEPTABLE TELECOMMUNICATIONS GROUND ONLY.

6) ALL PULLBOXES AND JUNCTION BOXES SHALL BE INSTALLED IN A "READILY ACCESSIBLE" LOCATION AND SHALL HAVE PROPER WORKING SPACE AS DEFINED IN NEC ARTICLE 100 AND 110.

7) UTILIZATION OF THE PHRASE "PROVIDED BY" WITHIN THE CONTEXT OF THESE DOCUMENTS SHALL EXPLICITLY REPRESENT "FURNISHED AND INSTALLED BY".

8) AT BUILT- IN CABINET LOCATIONS, OUTLETS ARE TO BE LOCATED ABOVE COUNTER, UNLESS OTHERWISE NOTED.

9) TELE-DATA LOCATIONS AT DESKS TO BE LOCATED BESIDE ELECTRICAL OUTLET TO SUPPLY ALL FUNCTIONS NEEDED TO RUN A COMPUTER COMING FROM ONE LOCATION.

10) FOR ALL TV & PATIENT CHECK-IN MONITORS, CONNECTIONS (POWER AND DATA) ARE TO BE LOCATED BEHIND THE DEVICES SO THEY ARE HIDDEN FROM VIEW.

**NOTES:** 

KEY PLAN NTS

100% CD FULLY SPRINKLERED

CONSULTANTS: 06-12-2012 AMENDMENT #2

one eighth inch = one foot

0 4 8 16

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Project Title
Wade Park Drawing Title
TECHNOLOGY Project Number 541-12-103 Renovate Medical Library - CARES **SYMBOL LEGEND AND NOTES** Building Number Location
Cleveland, Ohio Drawing Number Approved: Project Director **T-001** Checked Drawn April 25, 2012 Dwg.

Office of **Facilities** Management

Department of Veterans Affairs